

Roll No.

8576

Printed Pages : 3

BT-5 / D 12

FABRIC MANUFACTURING-III

Paper-TT-305 A

Time allowed : 3 hours

[Maximum marks : 100]

Note : (i) *Attempt any five questions taking at least one question from each unit.*

(ii) *All questions carry equal marks.*

Unit-I

1. What are Shuttleless Weaving ? Compare between Shuttle and Shuttleless weaving. What type of Selvedges are formed in Shuttleless Weaving ? With the help and neat diagrams, explain the formation of different Selvedges. 2+4+4+10
2. What are Projectile weaving machines ? With the help of neat diagram, explain the basic principle of Projectile weaving. Also explain Torsion Bar Picking System of Sulzer loom. Illustrate your answer with the help of diagram. 2+8+10

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Unit-II

3. What do you understand by Rapier Weaving machine ? Classify Rapier weaving machines with the help of neat diagram, explain the weft insertion system of DEWAS. 2+6+12
4. What are Air-Jet weaving machines ? With the help of neat diagram, explain the principle of weft insertion system of Air-jet loom. <http://www.kuonline.in> 4+16

Unit-III

5. What are Water-jet weaving machines ? With the help of neat sketch, explain the weft insertion system of water-jet weaving machine. Also discuss the passage of yarn through water-jet weaving machines. 2+12+6
6. With the help of neat diagram, explain the different types of multi-phase weaving machines. Also explain the passage of yarn through warp way and weft way multi-phase weaving machines. Also discuss the weft insertion machines of multi-phase weaving machine. 4+8+8

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Unit-IV

7. What are Non-waves ? Classify different types of nonwaves. Also discuss with the help of neat sketches, the formation of web for nonwaves. 2+6+12
8. With the help of neat diagrams, explain the web bonding techniques of non-waves. Also discuss the application of various non-wave fabric. 14+6